Complete if Known		
Application Number	10/665,115	
Confirmation Number	5422	
Filing Date	September 22, 2003	
First Named Inventor	Yoshinobu UTSUMI	
Art Unit	2834	
Examiner Name	David W. SCHEUERMANN	
Attorney Docket Number	Q77538	
	Application Number Confirmation Number Filing Date First Named Inventor Art Unit Examiner Name	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document	Number	Publication Date MM-DD-YYYY		
		Number	Kind Code ¹ (if known)		Name of Patentee or Applicant of Cited Document	
		US				
		US				
		US				
		US				
		US				
		US				
		US				
		US				
		US				

			FC	DREIGN PA	TENT DOCUM	ENTS	
Examiner Initials*	Cite	Foreign Patent Document			Publication Date	Name of Patentee or	
	Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document
193		JР	2002084724		03/22/2002	Mitsubishi Electric Corp.	Abstract
365	- 	JP.	07177690		07/14/1995	Fuji Electric Co., Ltd.	Abstract
		Coken	of this	rekere	nce has	nat been	
		rece	ned, 1	long	h it	is listed on	
			/			(1.4.)	_
 		Searc	h Ref	at	as a	Category "A"	
		doce	ment				
		ļ	ļ				
 					<u> </u>		-
L			<u> </u>	<u> </u>	L	<u> </u>	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			
		·			
					

Examiner Signature	7 Sch	Date Considered	10/28/05	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.